

Laboratory	Central Institute of Plastics Engineering & Technology (CIPET), Plot No. J-3/2, MIDC Industrial Area, Chikalthana, Aurangabad, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	25.07.2014
Certificate Number	T-1755	Valid Until	24.07.2016
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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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I. PLASTICS AND RESINS

1.	<ul style="list-style-type: none"> • UPVC pipe for Potable Water Supplies. 	Resistance to Sulphuric Acid	IS: 12235-2004 (Pt.7)	0.0001 to 200 g
		Stress Relief Test	IS: 12235 (Pt.6) –2004	Qualitative
	<ul style="list-style-type: none"> • UPVC Screen and casing Pipes for Bore/Tube Well. 	Vicat Softening Temperature	IS:6307-1985 (RA 2003) ASTM-D-1525-09/ IS : 15328-03(RA2008) Annex.A	30 to 300°C
		<ul style="list-style-type: none"> • UPVC Pipes for Soil and Waste Discharge System inside buildings including ventilation and Rain Water System. 	Sulphated Ash Content	IS:4985-2000 (RA 2005) Annex-B IS:14735 :1995 (RA 2004) Annex. B
	<ul style="list-style-type: none"> • Irrigation Equipment-Sprinkler Pipes Polyethylene 		Melt Flow Index	IS : 2530 -1963 (RA 2003) ASTM – D-1238-13/ IS 13360(Part 4 / Sec1):2000
		<ul style="list-style-type: none"> • Irrigation Equipment-Sprinkler Pipes-Quick Coupled Polyethylene. 	Overall Migration	IS 9845 -1998
	<ul style="list-style-type: none"> • Rotational Moulded Polyethylene Water Storage tanks. 		Carbon Black Content	IS : 2530- 1963(RA 2003)
		<ul style="list-style-type: none"> • Low Density Polyethylene Films. • HDPE/PP/Woven sack for packing 50 kg/25kg food grains. • UPVC Injection Moulded Fitting for SWR 	Carbon Black Dispersion	IS : 2530 – 1963(RA 2003)

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2.	Irrigation Equipments Polyethylene pipes for Irrigation Laterals	Susceptibility to Environmental Stress Cracking	IS: 12786-1989 Annex. D (RA1998) IS: 8747-1977 ASTMD 1693-13 IS 15907 Annex C -2010	Qualitative
3.	HDPE/PP Woven Sacks	UV Resistance	IS: 14887-2000/ IS: 7903-2011 / IS-14611-98/ IS:13217:91 IS:14887-2000 (RA2006)/ IS : 7903:2011 (RA2010)/ IS 15907: 2010	Retention 0 to 100%
4.	Plastics Materials & Products	Water absorption	IS: 13360 (Pt-8/Sec-1)-1997/ IS 13411-1992 ASTMD-570:10 (Reapproved 2005)	0.001 to 100%
5.	Plastics Materials & Products	Filler content	ISO: 3451-1997 (Pt. V)	0.001-80%
6.	Plastics Materials & Products	Heat deflection temp.	ASTM-D-648:07	30-300°C
7.	PVC resin	K-Value	IS 4669: 1968	50-70
8.	PE pipes for Gas Fuel/ PE / Al/ PE Composite Pipe	Pigment Dispersion	IS:14885-2001(RA2007)Annex E/ IS:15450 Annex C-2004	Qualitative

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9.	PE pipes for Gas Fuel	Volatile matter Content	IS: 14885-2001(RA2007) Annex H	1 to 350mg/Kg
10.	HDPE Woven Beds for Vermiculture	Resistance to Chemical	IS 15907 :2010 Annex E	Qualitative
11.	Containers for Packaging of Natural Mineral Water and Packaged Drinking Water	Water Potability	IS-15410-2003 Annex B	Qualitative

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